



Fig. S1. Antibody response and animal welfare measures following infection of M1

immunized NHPs. (A) Serum samples from M1 (n=5, red line) and PBS (n=2, black line) immunized NHPs were collected before each immunization on weeks 0, 8 and 17 and post-infection on weeks 20 (days 0, 1, 2 and 3 post-infection), 21 (day 7 post-infection), 22 (day 14 post-infection), 23 (day 21 post-infection), 24 (day 28 post-infection) and 25 (one week after antibiotic treatment). Antibody titers at the time of infection (week 20) were significantly higher in M1 immunized NHPs compared to PBS immunized NHPs ($P < 0.0001$). Infection and antibiotic treatment days are marked by red and green arrows respectively. Duration of GAS infection is indicated by the gray shaded area. Values represent the geometric mean titer \pm geometric SD. Welfare of NHPs during the course of infection was monitored by measuring (B) rectal temperature, (C) weight, and (D) white blood cell counts. Symbols represent the mean values \pm SD.